ENVIRONMENTAL CHEMISTS

Date of Report: 06/08/00 Date Received: 05/18/00

Project: Metro Self Monitor, M64195

Date Extracted: 05/22/00 Date Analyzed: 05/22/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	<u>Chromium</u>	Copper	<u>Nickel</u>	<u>Zinc</u>
Laboratory ID				
M64195	0.35	0.32	0.35	< 0.05
005097-01				
Method Blank	k <0.05	< 0.05	< 0.05	< 0.05

ENVIRONMENTAL CHEMISTS

Date of Report: 06/08/00 Date Received: 05/18/00

Project: Metro Self Monitor, M64195

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 005097-01 (Duplicate)

					Relative		
	동물을 하다고 들어가 네트 일본다	Reporting	Sample	Duplicate	Percent	Acceptance	
·	Analyte	Units	Result	Result	Difference	Criteria	
	Chromium	mg/L (ppm)	0.35	0.38	8	0-20	Ξ.
	Copper	mg/L (ppm)	0.32	0.31	3	0-20	
	Nickel	mg/L (ppm)	0.35	0.38	8	0-20	
	Zinc	mg/L (ppm)	< 0.05	< 0.05	nm	0-20	

Laboratory Code: 005097-01 (Matrix Spike)

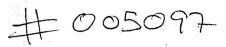
	Reporting	Spike	Sample	% Recove	ery % Recove	ry Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	
Chromium	mg/L (ppm)	5	0.35	87	90	80-120	3
Copper	mg/L (ppm)	5	0.32	84	87	80-120	4
Nickel	mg/L (ppm)	10	0.35	85	87	80-120	2
Zinc	mg/L (ppm)	5	< 0.05	88	89	80-120	1

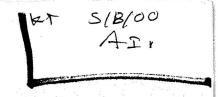
Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recovery	y % Recove	ery Acceptance		
Analyte	Units	Level	LCS	LCSD	Criteria	RPD	* "4"
Chromium	mg/L (ppm)	5	90	90	80-120	0	* 14 Ta
Copper	mg/L (ppm)	5	93	93	80-120	0	
Nickel	mg/L (ppm)	10	89	90	80-120	1	
Zinc	mg/L (ppm)	5	87	88	80-120	1	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282





SAMPLE CHAIN OF CUSTODY

Send Report To: AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	8KAN Coppe	e Work	3	Contac	ci <u>Ger</u>	Aco Thom	P82-
City, State, Zip Sea	He und	9813		P7 (100 P		Date 5/18/00	
Phone # 206- 382	-0377	FAX #	<u> 206- 30</u>	82-4708		Date 3/18/00	
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FORMS/COC

05/08/00

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 8, 2000

DUPLICATE COPY

INVOICE #00ACU0608-1

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro Self Monitor, M64195 - Results of testing requested by Gerry Thompson for material submitted on May 18, 2000.

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

June 8, 2000

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 18, 2000 from your Metro Self Monitor, M64195 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton

Project Manager

Enclosures ACU0608R.DOC